

1 ABSTRACT OF THE DISCLOSURE

5 The present invention is directed to a device and method for removing build-up on such measurement gauges. The inventive device and method involve a movable scraper that fits around a cylindrical shield of a measurement gauge and continuously removes the build-up on the shield. Movement of the scraper is accomplished by a magnetic coupling between a magnetic core attached to the scraper, which is inside a pipe or other piece of equipment, and solenoids that are installed on the outside of the pipe. The device and method of the invention ensure instantaneously correct readings from the measurement gauge and improve control and operation strategies of heat exchanges, with significant economic advantages.

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